

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/014727

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G03F7/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G03F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2002/163629 A1 (SWITKES MICHAEL ET AL) 7 November 2002 (2002-11-07)	1,2,5, 27,28
X	paragraph '0030!; figures 1a,5	29
A		23
Y	DAVID LAMMERS: "'Doped water' could extend 193-nm immersion litho" EETIMES ONLINE, 'Online! 28 January 2004 (2004-01-28), XP002328304 Retrieved from the Internet: URL:http://www.eetimes.com/news/latest/showArticle.jhtml?articleID=18310517> 'retrieved on 2005-05-17! cited in the application the whole document	1,2,5, 27,28

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

17 May 2005

Date of mailing of the international search report

01/06/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Eisner, K

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/014727

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	WO 2004/057589 A (KONINKLIJKE PHILIPS ELECTRONICS N.V; NEIJZEN, JACOBUS, H., M; VAN SANT) 8 July 2004 (2004-07-08) page 8, line 27 - line 29 page 13, line 34 - page 14, line 2 figures 2,4	1,2, 27-29
P,X	US 2004/125351 A1 (KRAUTSCHIK CHRISTOF GABRIEL) 1 July 2004 (2004-07-01) paragraphs '0014!, '0015!	1,2, 27-29
P,X	WO 2004/107048 A (CARL ZEISS SMT AG; DODOC, AURELIAN; SCHUSTER, KARL, HEINZ; MALLMANN, J) 9 December 2004 (2004-12-09) page 50, lines 4-13; figure 11	1,2, 27-29
E	EP 1 491 956 A (ASML NETHERLANDS B.V) 29 December 2004 (2004-12-29) paragraphs '0018!, '0034!; figure 4	1,7

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/014727

Patent document cited in search report			Publication date	Patent family member(s)		Publication date
US 2002163629	A1		07-11-2002	WO 02091078 A1		14-11-2002
WO 2004057589	A		08-07-2004	AU 2003295177 A1		14-07-2004
				WO 2004057589 A1		08-07-2004
US 2004125351	A1		01-07-2004	NONE		
WO 2004107048	A		09-12-2004	DE 10324477 A1		30-12-2004
				WO 2004107048 A2		09-12-2004
				US 2005068499 A1		31-03-2005
EP 1491956	A		29-12-2004	EP 1491956 A1		29-12-2004
				WO 2005001572 A2		06-01-2005
				US 2005002004 A1		06-01-2005